





## ICF TECHNOLOGY INCORPORATED

### PRELIMINARY ASSESSMENT

**SUBMITTED TO:** Rachel Loftin, U.S. Environmental Protection Agency

**PREPARED BY:** Yoon K. Toh, ICF Technology, Incorporated *YT*

**THROUGH:** Matt Williams, Ecology and Environment, Inc. *MREW*

**DATE:** August 19, 1991

**SITE:** Ciba-Geigy

**TDD#:** F9-9105-044

**EPA ID#:** CAD000089722

**PROGRAM**

**ACCOUNT#:** FCA1715PAA

**FIT REVIEW/**

**CONCURRENCE:**

*James M. James 8/20/91*

**COPY:** Fit Master File

#### 1. INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the U.S. Environmental Protection Agency (EPA) has tasked ICF Technology, Inc.'s Field Investigation Team (FIT), subcontractor to Ecology and Environment Inc., to conduct a Preliminary Assessment of Ciba-Geigy Corporation in Fountain Valley, California. This report summarizes FIT's investigative efforts.

## 2. SITE DESCRIPTION

### 2.1 Site Location and Owner/Operator History

The Ciba-Geigy Corporation (Ciba-Geigy) site is located at 10910 Talbert Ave, Fountain Valley, California 92708 (T. 5 S., R. 10 W., sect. 9, San Bernardino baseline and meridian; Lat. 33°42'00", Long. 117°57'36") (1). A site location map is presented as Figure 1. Ciba-Geigy is bordered to the north by Talbert Avenue and residences, to the south by Turner Industrial Park, to the east by Advanced Image Systems, and to the west by International Title Company (36). The currently vacant site consists of a 22,500 square-foot single-story warehouse, a parking lot to the east and a shipping and delivery area to the west. Figure 2 shows the former facility layout map.

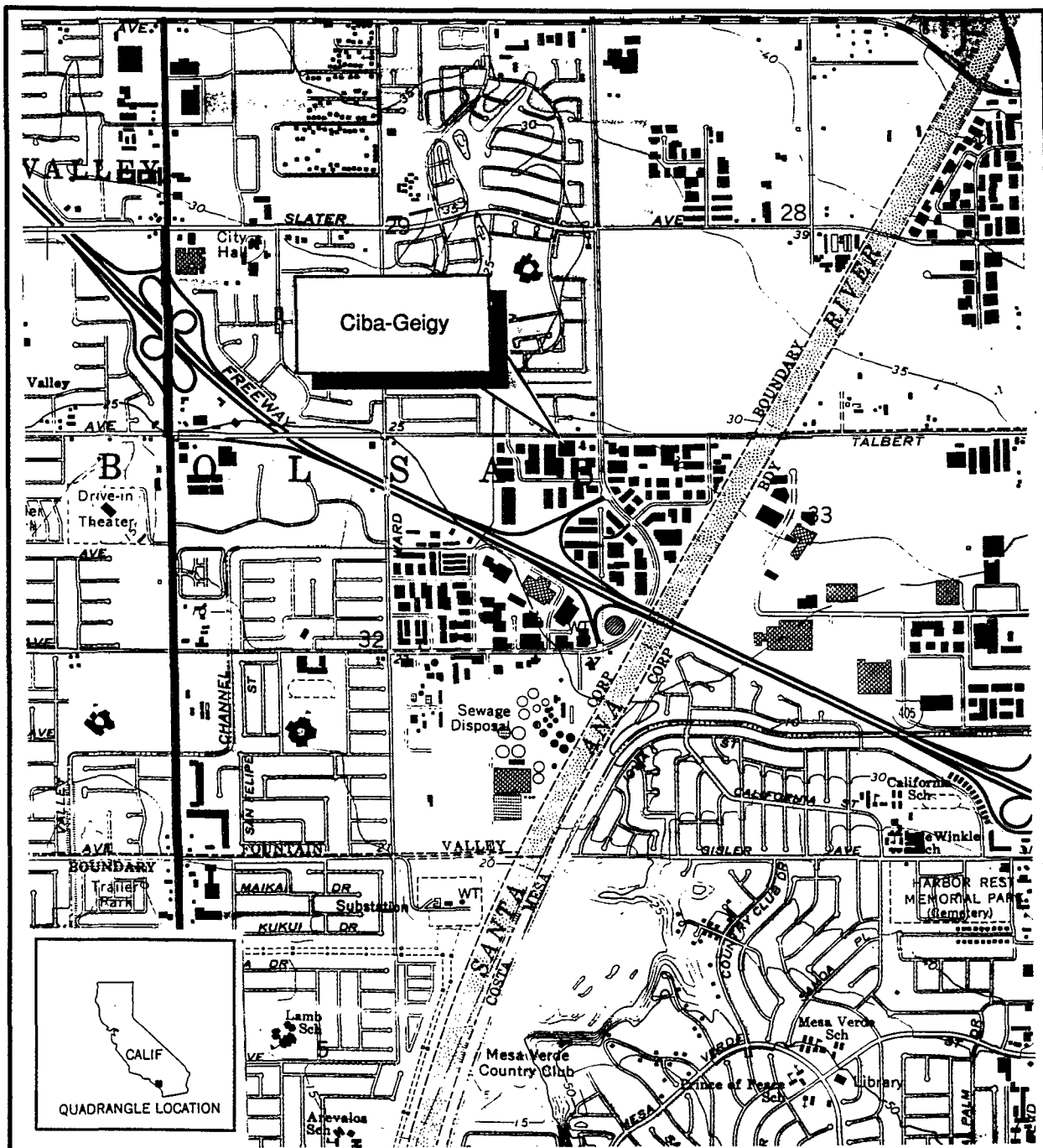
There is no readily available information on the previous operators at the site prior to 1977. Ciba-Geigy operated a resins and composite materials manufacturing facility at the site and applied the resins for coating fiberglass and carbon fibers which are used in airplanes, aerospace, and sporting goods. Ciba-Geigy's operations began in November 1977 and ceased operations at the site in May 1988 (30). From 1977 to 1988, Ciba-Geigy leased the site from Heitman Properties (Heitman) (21). JMB Properties (JMB) purchased the property from Heitman in November 1989 and leased it to Medchoice (23).

Medchoice, a medical and dental supply store, operated a warehouse and sales store at the site from January 1990 to May 1991. Medchoice's inventory included syringes, needles, general chairs, examining tables, adult and baby diapers, band-aids, braces, vitamins, shampoos, alcohol solution for antiseptics, and other miscellaneous materials. Medchoice filed for bankruptcy under Chapter 11 in April 1991, and finally under Chapter 13 in May 1991. Medchoice held an auction and sold off the remaining inventory. Medchoice completely moved out of the facility in May 1991 (23,24). The site is currently vacant (36).

### 2.2 Facility Process and Waste Management

#### 2.2.1 Historical

Ciba-Geigy manufactured resins and composite materials at the site and applied the resins for coating fiberglass and carbon fibers for use in airplanes, aerospace, and sporting goods (2). Raw materials were purchased from vendors and shipped to the site in palletized bags, pails, drums, or bottles. These materials included those listed in Table 1. The raw materials were put into mix vessels and blended to produce the final products. There is no readily available information on the actual processes which took place at the site when Ciba-Geigy was in operation (31).



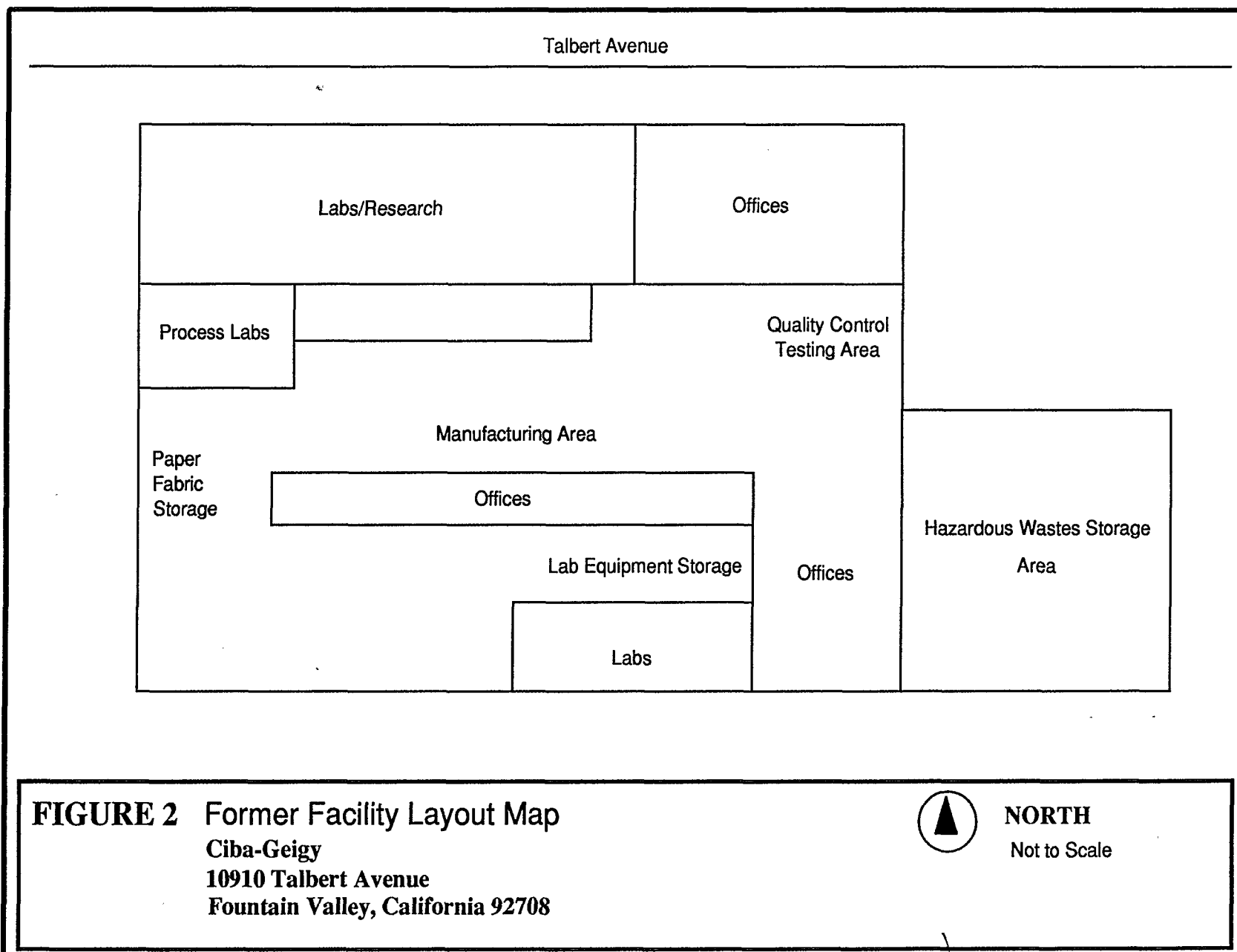
**Figure 1. Site Location Map**

Ciba-Geigy Site  
10910 Talbert Avenue  
Fountain Valley, California 92708

Scale in Miles  
Scale 1:24,000  
0 1/2 1



Source: U.S. Department of Interior, Geological Survey. Newport Beach, California  
Quadrangle. 7.5-Minute Series (topographic). 1964 Photorevised 1980.



<p style="text-align: center;"><b>TABLE 1</b> <b>Ciba-Geigy's Chemicals and Chemical Suppliers</b></p>	
<b>Chemicals</b>	<b>Supplier</b>
Resins, polyfilm	Dow Chemical, Union Carbide, Shell Oil
Solvents, acids	Orange County Chemical, Unocal
Modifiers, catalysts	Pacific Anchor, Monsanto, DeGussa Corp.

Ciba-Geigy's operations at the site began in November 1977 and ceased in May 1988 (8,29). Wastes generated at the site when Ciba-Geigy was in operation included acetone, methyl ethyl ketone (MEK), methylene chloride, waste resin solution and scrap, and sulfuric and nitric acid. Solvents and resins were generated in the manufacturing process at a rate of 800 gallons per month. The facility reportedly did not treat nor store hazardous wastes for more than 90 days at the site. Wastes generated at the site were stored in 55-gallon drums in the rear of the plant outside the facility building. This area was fenced, bermed, and paved and had a storage capacity of 100 drums (2,8). Located inside the facility building was also a waste storage area which contained 42 drums of lab-packed materials. Wastes generated were transported off site for disposal (29,30).

Medchoice operated a medical and dental supply warehouse and sales store at the site from 1990 to May 1991. On-site inventory included syringes, needles, general chairs, examining tables, adult and baby diapers, bandaids, braces, vitamins, and alcohol for skin treatment etc. There were reportedly no known hazardous wastes generated by Medchoice at the site (24).

### 2.2.2 Current

The facility is currently vacant and available to be leased out (36).

## 2. APPARENT PROBLEM

In 1988, two surface soil samples and one liquid sample were collected from the hazardous waste storage area by a contractor to Ciba-Geigy when they moved out of the facility. The samples were tested for presence of metals and halogenated volatile organics. These results indicated that metals were found in the soil at levels which were below TTLC standards and no organics were detected in any of the samples (32). However, JMB hired a contractor to conduct further surface soil sampling at the site. The sampling results revealed the presence of solvents in 2 of the 7 samples at former on-site hazardous wastes storage area. There has been no soil removal from the site (36).

### 3. REGULATORY INVOLVEMENT

In 1980, Ciba-Geigy applied for and obtained a part A permit from the U.S. EPA. The U.S. EPA has accepted Ciba-Geigy's withdrawal of the facility's Part A application and will change the RCRA database record to reflect the updated information (19,20).

In November 1980, Ciba-Geigy applied for an interim status document (ISD) from the DHS to operate as a hazardous waste generator at the site. The facility was issued the ISD in March 1981 (2). Since the beginning of operations, Ciba-Geigy had several minor administrative violations of the ISD. The violations included the lack of a written waste analysis plan, lack of maintenance of personnel training records, the lack of a closure plan (2). The violations were later rescinded after determination by DHS that the facility had operated as a generator only and was exempted from the first two requirements (17,18). There is no known certificate of closure issued by the DHS.

The Orange County Health Department (County Health) had also reportedly considered Ciba-Geigy as a generator only facility which was exempted from treatment/storage/disposal (TSD) regulation (2,16). The California Regional Water Quality Control Board (RWQCB) is not involved with any regulatory activities at the site (15). The City of Fountain Valley has been regulating the hazardous materials handling activities at the site (21).

### 4. HRS FACTORS

The Hazard Ranking System (HRS) is a scoring system used to assess the relative threat associated with actual or potential releases of hazardous substances from sites. It is the principal mechanism EPA uses to place sites on the National Priorities List (NPL). FIT has evaluated the following HRS factors relative to this site.

#### 4.1 Waste Type and Quantity

Wastes generated at the site when Ciba-Geigy was in operation included acetone, MEK, methylene chloride, waste resin solution and scrap, and sulfuric and nitric acid. Solvents and resins were generated in the manufacturing process at a rate of 800 gallons per month. The facility reportedly did not treat nor store hazardous wastes for more than 90 days at the site. Wastes generated at the site were stored in 55-gallon drums in the rear of the plant outside the facility building. This area was fenced, bermed, and paved and had a storage capacity of 100 drums (2,8). Located inside the facility building was also a waste storage area which contained 42 drums of lab-packed materials. The wastes were transported by Ciba-Geigy once every 10 to 20 days off site (3). Sodium dichromate and acids including chromic, sulfuric, and nitric were generated in the testing and research operations at a rate of 30 gallons per month (8). Wastes containing acids and resins were collected and transported once every 2 months by Crosby-Overton to IT Corporation (CAD000057760) located in Wilmington, California (7).

Before JMB purchased the property, seven on-site soil samples were collected by a contractor to JMB in August 1988. There were no background samples collected. Chemicals found in the samples included chlorinated and aromatic volatile organic compounds which may have originated from Ciba-Geigy's operations because the chemicals appeared to be constituents of wastes generated on site and petroleum compounds. Table 2 shows the analytical results of the soil samples and Figure 3 shows the sampling locations (34).

TABLE 2 ANALYTICAL RESULTS OF SURFACE SOIL SAMPLING AT CIBA-GEIGY		
Location of soil sample	Depth (Inches)	Organics
HA-1	0 - 6	ND
HA-2	Asphalt	2 ppm ethylbenzene 10 ppm xylene 4 ppm toluene
HA-2	2 - 6	2 ppm bis(2-ethylhexyl)phthalate
HA-3	Asphalt	NA
HA-4	6 - 9	0.2 ppm di-n-butylphthalate 2.2 ppm bis(2-ethylhexyl)phthalate
HA-5	6 - 12	14 ppm chlorobenzene 10 ppm 1,2-dichloroethane 0.6 ppm 1,2-dichlorobenzene
HA-5	30 - 36	0.2 ppm di-n-butylphthalate 1 ppm bis(2-ethylhexyl)phthalate
AR 855	Lab Surface	4 ppm dichloromethane 1 ppm trichloroethylene 2 ppm tetrachloroethylene

ND = Not Detected.

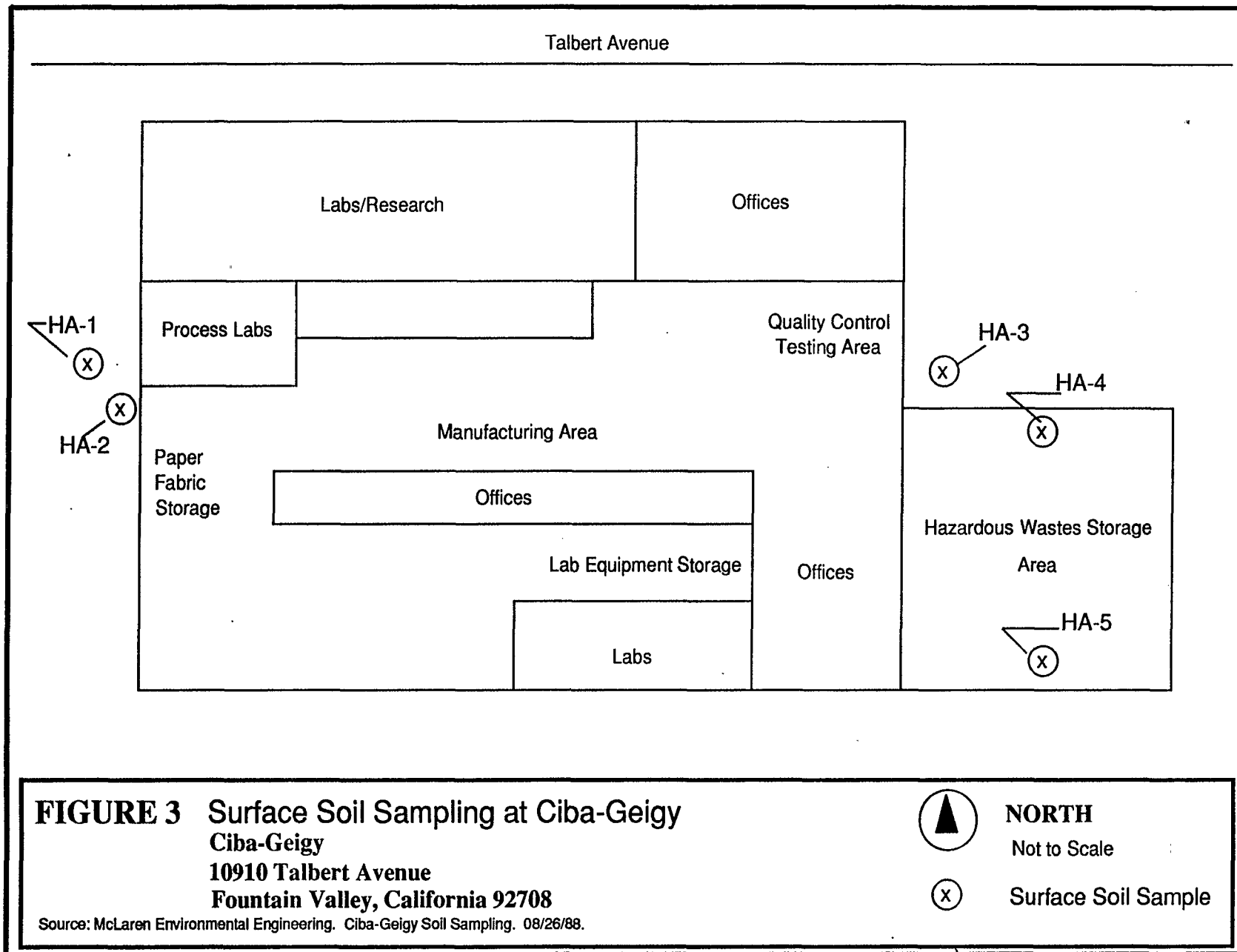
NA = Not Analyzed.

Note: Metals were present in the soil samples at low concentrations and did not appear to be above naturally occurring concentrations.

A list of the wastes generated at the facility is shown in Appendix C (35).

#### 4.2 Groundwater





The Ciba-Geigy site is located in southeast Fountain Valley approximately 10 miles from the foothills of the Santa Ana Mountains. This area is part of the coastal basin, and soils here are composed of flood plain deposits and consists mainly of silty sands, sandy silts, and silts. Near the foothills of the Santa Ana Mountains, which border the northeast section of the coastal basin, the geologic formation underlying the surface soils is characterized by freshwater-bearing rocks which constitute a major groundwater basin recharge zone. The site is located more than 5 miles from the boundary of this recharge zone (11).

The water bearing strata in the vicinity of the site are separated into 3 systems: the upper aquifer, the middle aquifer, and the lower aquifer systems. The upper aquifer begins at approximately 100 feet below ground surface (bgs). The upper aquifer system is used mainly for irrigation. The middle aquifer system is used to supply drinking water to the several cities in the coastal basin and is found at approximately 200 feet bgs. There is no evidence of interconnection between the upper and middle aquifer systems within 2 miles of the site (11). Groundwater beneath the site flows to the northeast (12).

There are several cities located within 4 miles of the site which use groundwater in the middle aquifer system for drinking water. The cities are Fountain Valley, Santa Ana, Costa Mesa, Garden Grove, Huntington Beach, and Westminster. The water purveyors for the respective cities blend groundwater with water imported from Metropolitan Water District (MWD). The water purveyors serve approximately 730,500 people within their respective systems. The nearest drinking water well to the site, Mesa Consolidated Water District (MCWD) Well #5 is located approximately 3,200 feet east of the site. Water drawn from this well is blended with water from other MCWD's municipal wells and water from MWD to serve the city's residents of approximately 22,000 (26). The water purveyors, number of municipal wells, and population served in each system located within 4 miles of the site is shown in Table 3 (13,14,25,26,27,28,33,37,38,39,40,41,42,43,44).

Although no groundwater sampling has been conducted at the site, soil sampling indicated that organic compounds such as chlorobenzene and 1,2-dichloroethane were found in soils at 0 to 12 inches bgs. The potential for a release of hazardous substances to the potable aquifer is low because the potable aquifer is found 200 feet bgs.

#### 4.3 Surface Water

The Ciba-Geigy site is located in southeast Fountain Valley approximately 2,500 feet from the bermed Santa Ana River (1). This upgradient river is used only for flood control and has no known drinking, irrigation, or recreational benefits (9). The river meets the Pacific Ocean approximately 4 miles downstream from the site. Beneficial uses of the Pacific Ocean include commercial and sport fishing, recreation, and wildlife habitat (5,6). The city of Fountain Valley is located in a 100-year floodplain (10). The 2-year, 24-hour rainfall in the area is approximately 4 inches (45).

There are no downgradient surface water bodies located within 2 miles of the site (1). Therefore, the potential for a release via the surface water route appears to be low.

**TABLE 3  
GROUNDWATER LEVELS WITHIN 4 MILES OF THE SITE**

Water Purveyor	Number of Wells Within Each Ring (Mile)						Total # Wells In System	Percentage of Imported Water	Population Served By System
	0-¼	¼-½	½-1	1-2	2-3	3-4			
City of Fountain Valley	0	0	0	3	4	0	7	30% MWD	56,000
City of Huntington Beach	0	0	0	0	2	2	9	30% MWD	187,500
Mesa Consolidated Water District	0	0	2	5	1	0	8	30% MWD	22,000
Irvine Ranch Water District	0	0	0	1	4	2	7	75% MWD	100,000
City of Santa Ana	0	0	0	0	4	0	17	30% MWD	287,000

#### 4.4 Soil Exposure

The Ciba-Geigy site is located in a mixed industrial and residential area (36). The entire site is paved and vacant. There are approximately 12,500 people living within 1 mile of the site (22). Ciba-Geigy left the site in 1988 and hazardous wastes were removed from the site at that time (21). The likelihood for a soil exposure incident at the site appears to be low because it is entirely paved.

#### 4.5 Air

There are currently no known hazardous materials being handled at the vacant site. Ciba-Geigy moved out of the facility in 1988 (21).

The Ciba-Geigy site is located in a mixed industrial and residential area. There are approximately 122,000 residents living within 4 miles of the site (22). Table 4 shows the population distribution surrounding the site.

The potential for an observed release via the air route is low because no hazardous substances are currently handled at the facility and all documented soil contamination is covered with concrete.

<b>TABLE 4</b> <b><i>Population Distribution Within 4 Miles of the Site</i></b>	
<b><i>Distance in Miles</i></b>	<b><i>Population</i></b>
0 - 0.25	3,008
0.25 - 0.5	*
0.5 - 1.00	9,442
1.00 - 2.00	20,300
2.00 - 3.00	44,599
3.00 - 4.00	44,756

\* The GEMS population survey does not indicate the number of people living within the 0.25 to 0.5 mile ring distance from the site.

## 5. SUMMARY OF FIT INVESTIGATIVE EFFORTS

On July 2, 1991, FIT team members, Yoon K. Toh and Tim Swillinger met with the following representatives from the site:

Christopher J. Pearson, General Manager, JMB Properties Company;  
Dennis A. Kielgass, Vice President, JMB Properties Company; and  
Roger J. Holt, Attorney at Law, Pircher, Nichols and Meeks.

An interview with the representatives and a brief tour of the site were conducted by FIT. Information obtained from the interview is presented in Appendix A and throughout this report. There were no apparent contamination on the surface of the vacant facility which is currently entirely paved (36). Photographs taken during the tour are shown in Appendix B.

## 6. EMERGENCY RESPONSE CONSIDERATIONS

There are no known hazardous materials currently being handled at the site. The site is vacant and is entirely paved and hazardous materials previously handled at the site have been removed by Ciba-Geigy (36). It appears that referral of this site to EPA's Emergency Response Section is not necessary at this time.

## 7. SUMMARY OF HRS CONSIDERATIONS

The Ciba-Geigy Corporation (Ciba-Geigy) site is located 10910 Talbert Avenue, in Fountain Valley, California. The 22,500 square foot site is entirely paved and is located in a mixed industrial and residential area. Ciba-Geigy previously operated a resins and composite materials manufacturing facility beginning in November 1977 and ending in May 1988. The resins were used to coat fiberglass and carbon fibers for use in airplanes, aerospace, and sporting goods.

Medchoice operated a medical and dental supply warehouse and sales store at the site from 1988 to May 1991. On-site inventory included syringes, needles, general chairs, examining tables, adult and baby diapers, bandaids, braces, vitamins, and alcohol for skin treatment. No known hazardous wastes were generated at the time when Medchoice was in operation.

The Ciba-Geigy site is located in southeast Fountain Valley. Soils underlying the site area are composed of flood plain deposits and consist mainly of silty sands, sandy silts, and silts. Groundwater beneath the site is separated into 3 systems: the upper aquifer, the middle aquifer, and the lower aquifer systems. The upper aquifer system is used mainly for irrigation and the middle aquifer system is used for drinking water supply to the various cities in the coastal basin. There is no evidence of interconnection between the upper and middle aquifer systems within 2 miles of the site. Groundwater beneath the site flows in the northeast direction.

Groundwater beneath the site in the middle aquifer system is used extensively by various water purveyors and blended with surface water to supply drinking water to approximately 730,500 people within 6 cities surrounding the site. The nearest drinking water well to the site, Mesa Consolidated Water District (MCWD) Well #5 is located approximately 3,200 feet east of the site. Water drawn from this well is blended with water from other MCWD's municipal wells and Metropolitan Water District to serve the city's residents of approximately 22,000.

There is no information indicating that a release of hazardous substances from the site to the underlying aquifers has occurred. However, results of a surface soil sampling conducted by a contractor to the property owners, JMB, revealed the presence of ethylbenzene, xylene, toluene, chlorobenzene, 1,2-dichloroethane, and 1,2-dichlorobenzene. Because there is no known containment for these hazardous substances, the potential for a release via the groundwater route exists.

There are no downgradient surface water bodies located within 2 miles of the site. Therefore, the potential for a release via the surface water route appears unlikely.

The Ciba-Geigy is located in a mixed industrial and residential area. The entire site is paved and vacant. There are approximately 12,500 people living within 1 mile of the site. The likelihood for a soil exposure incident or air release at the site appears low because it is entirely paved.

The most significant HRS factors associated with the site are:

- low potential for a release to the underlying groundwater;
- no downgradient surface water bodies located within 2 mile of the site;
- low potential for a site exposure incident; and
- low potential for a release to air.

8. EPA RECOMMENDATION

	<u>Initial</u>	<u>Date</u>
No Further Remedial Action Planned Under CERCLA	<u>Jm2</u>	<u>8/30/91</u>
Higher-Priority for Further Site Assessment	<u>          </u>	<u>          </u>
Lower-Priority for Further Site Assessment	<u>          </u>	<u>          </u>
Defer to Other Authority (e.g., RCRA, TSCA, NRC)	<u>          </u>	<u>          </u>

Notes:

## 9. REFERENCES

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**APPENDIX A**

Contact Log  
and  
Contact Reports

## PA/SI Contact Log

Facility Name: Ciba-Geigy  
Facility ID: CAD000089722

Name	Affiliation	Phone #	Date	Information
Sue Gross	City of Fountain Valley	(714) 965-4493	04/05/91	See contact report
Fred Weber	City of Huntington Beach	(714) 536-5921	04/08/91	See contact report
Pat Wong	California Regional Water Quality Control Board	(714) 782-4130	04/08/91	No file available
Dave Proffit	City of Garden Grove	(714) 741-5395	04/08/91	See contact report
Mary Urashima	Mesa Consolidated Water District	(714) 631-1200	04/09/91	See contact report
Connie Morris	Orange County Business Bureau	(714) 965-4421	04/10/91	Medchoice Warehouse has occupied the site since July 1989.
Ray Burk	City of Santa Ana	(714) 565-4019	04/10/91	See contact report
Carl Barla	Irvine Ranch Water District	(714) 476-7660	04/10/91	See contact report
Sue Audubon	Orange County Flood Control District	(714) 834-6192	04/10/91	See contact report
Germaine Dedard	Orange County Environmental Health	(714) 834-3536	04/11/91	No file available
Stan Brown	U.S. Environmental Protection Agency	(415) 744-2098	04/18/91	See contact report
Diane Stonebrook	JMB Properties	(714) 836-7224	05/13/91	See contact report
Ray Alvidrez	City of Westminster	(714) 895-2876	05/15/91	See contact report
Chris Pearson	JMB Properties	(213) 277-3442	05/15/91	See contact report

\* Past Contact Report Used to Evaluate Current Site

Oscar Zink	Ciba-Geigy Corporation	(714) 779-9000	05/15/91	See contact report
Dave Clark	City of Fountain Valley	(714) 965-4400	05/22/91	See contact report
Ed Sandoval	Medchoice Incorporated	(714) 963-4838	05/23/91	See contact report

\* Past Contact Report Used to Evaluate Current Site

## **SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT**

ICF Technology, Inc.  
Field Investigation Team (FIT)  
160 Spear Street, Suite 1380  
San Francisco, CA 94105  
(415) 957-0110

### **OBSERVATIONS MADE BY:**

Yoon K. Toh, ICF Technology, Inc.  
Tim Swillinger, ICF Technology, Incorporated

DATE: July 2, 1991

### **FACILITY REPRESENTATIVE(S) and TITLE(S):**

Christopher Pearson, General Manager, JMB Properties Company  
Dennis A. Kielgass, General Manager, JMB Properties Company  
Roger J. Holt, Attorney at Law, Pircher, Nichols and Meeks

SITE NAME: Ciba-Geigy

EPA ID#:CAD000089722

### **The following information was obtained during the interview:**

JMB purchased the property from Heitman Properties in 1988 and leased the facility to Medchoice Warehouse in January 1990. Medchoice closed down and filed for bankruptcy in May 1991. JMB hired an environmental consultant to conduct soil sampling at certain boreholes at the site. The results have been kept by JMB and have not been sent to any regulatory agency. There has been no known soil removal from the site. FIT requested and received a copy of the results.

### **The following observations were made during the site reconnaissance visit:**

The entire site was paved. The former was storage area appeared clean and no hazardous wastes were present on the paved ground surface. The site was bordered to the north by Talbert Avenue and some residences, to the south by Turner Industrial Park, to the east by Advanced Image Systems, and to the west by International Title Company.

## CONTACT REPORT

Agency/Affiliation: City of Fountain Valley

Department/Region: \_\_\_\_\_

Address/City: 10200 Slater Avenue, Fountain Avenue

County/State/Zip: Orange County, CA 92708

Contact	Title	Phone
Sue Gross	Administrative Assistant	(714) 965-4493

ICF Person Making Contact: Yoon K. Toh Date: April 5, 1991

Subject: Water Supply to Fountain Valley

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The city of Fountain Valley obtains its water from Orange County Water District (OCWD). There are 7 active wells which serve the city. Water is blended from these 7 wells (70 percent) and MWD (30 percent). The wells are numbered as follows #3, #4, #6, #7, #8, #10, and #11. No well contributes more than 39% of the total water supply. Approximately 56,000 people are served in the city.

## CONTACT REPORT

Agency/Affiliation: City of Huntington Beach

Department/Region: Water Department

Address/City: P.O. Box 90, Huntington Beach

County/State/Zip: Orange County, CA 92648

Contact	Title	Phone
Fred Weber	Engineer	(714) 536-5921

ICF Person Making Contact: Yoon K. Toh Date: April 8, 1991

Subject: Water Supply to the city of Huntington Beach

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The City of Huntington Beach obtains its water supply from 9 groundwater municipal wells (70%) and from MWD (30%). None of the wells contribute more than 40 % of the supply. The total population served by the City is 187,500. Mr. Weber will mail the requested water supply information to FIT.



## CONTACT REPORT

Agency/Affiliation: City of Garden Grove

Department/Region: Public Service Water Department

Address/City: 13,802 New Hope St., Garden Grove

County/State/Zip: Orange County, CA 92643

Contact	Title	Phone
Dave Proffit	Engineer	(714) 741-5395

ICF Person Making Contact: Yoon K. Toh Date: April 8, 1991

Subject: Water Supply to th City of Garden Grove

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The City of Garden Grove obtains its water supply from 10 active municipal wells and 2 standby wells (70 percent) and MWD (30 percent). The entire water system is blended to serve a population of 141,000 in the city. Mr. Proffit was not willing to send information of the details of the well locations, perforation intervals, and other requested information pertaining to water supply to the city.

## CONTACT REPORT

Agency/Affiliation: Mesa Consolidated Water District (MCWD)

Department/Region: \_\_\_\_\_

Address/City: 1965 Placentia Avenue, Costa Mesa

County/State/Zip: Orange County, CA 92627

Contact	Title	Phone
Mary Urashima	Public Affairs Manager	(714) 631-1200

ICF Person Making Contact: Yoon K. Toh Date: April 9, 1991

Subject: Water Supply to Costa Mesa

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Water supply to the residents of the city of Costa Mesa is obtained from 70 percent groundwater wells blended with 30 percent water imported from MWD. Approximately 22,000 residents are served in the city. MCWD operates 8 wells. Ms. Urashima will send the information to FIT when she returns on May 30, 1991.

## CONTACT REPORT

Agency/Affiliation: City of Santa Ana

Department/Region: Water Department

Address/City: 217 North Main Street, Santa Ana

County/State/Zip: Ornge County, CA 92701

Contact	Title	Phone
Ray Burk	Civil Engineer	(714) 565-4019

ICF Person Making Contact: Yoon K. Toh Date: April 10, 1991

Subject: Water Supply to Santa Ana

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The City of Santa Ana operates 17 active wells. There have been no wells closed due to contamination. Well # 16 has been abandoned due to low production. 70 percent of the water used by the city is obtained from municipal wells and 30 percent of the water from Metropolitan Water District. (A letter was faxed to Mr. Burk on 04/10/91 requesting the water supply information). Mr. Burk said that he will mail the information to FIT. Approximately 287,000 people are served in the city of Santa Ana.

## CONTACT REPORT

Agency/Affiliation: Irvine Ranch Water District

Department/Region: \_\_\_\_\_

Address/City: P.O. Box D-1, Irvine

County/State/Zip: Orange County, CA 92716-6025

Contact	Title	Phone
Carl Barla	Director of Field Operations	(714) 476-7660

ICF Person Making Contact: Yoon K. Toh Date: April 10, 1991

Subject: IRWD's drinking water wells in Santa Ana

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Irvine Ranch Water District (IRWD) serves approximately 100,000 people in the City of Irvine and surrounding areas. They have 7 active wells and one new well will be in production in July 1991. All these wells are located in the city of Santa Ana. One well has been closed due to mechanical problems. IRWD obtains 75 percent of its water from MWD and 25 percent of its water from groundwater wells. Mr. Wayne Wright (tel #: (714) 476-7669) will send FIT the information on the location of the wells. FIT faxed a letter requesting the information from IRWD on May 27, 1991.

## CONTACT REPORT

Agency/Affiliation: Orange County Flood Control District

Department/Region: Environmental Management Agency

Address/City: P.O. Box 4048, Santa Ana

County/State/Zip: Orange County, CA 92702

Contact	Title	Phone
Sue Audubon	Senior Civil Engineer	(714) 834-6192

ICF Person Making Contact: Yoon K. Toh Date: April 10, 1991

Subject: Beneficial Uses of Santa Ana River

Site Name: Ciba-Geigy EPA ID#: CAD000089722

There is no fishing suspected at the Santa Ana River and it is not used for recreation either. The river is used only for flood control. There is an equestrian trail near the bermed river.

## CONTACT REPORT

Agency/Affiliation: U.S. Environmental Protection Agency

Department/Region: Region IX

Address/City: 75 Hawthorne Street, San Francisco

County/State/Zip: San Francisco County, CA 94105

Contact	Title	Phone
Stanley Brown	Environmental Protection Specialist	(415) 744-2105

ICF Person Making Contact: Yoon K. Toh Date: April 18, 1991

Subject: Protective Filer

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Mr. Brown said that the Ciba-Geigy facility located at 10910 Talbert Ave., Fountain Valley, California 92708 had filed for protective status and had withdrawn their Part A application.

## CONTACT REPORT

Agency/Affiliation: JMB Properties

Department/Region: Orange Division

Address/City: 701 South Parker, Suite 3200, Orange

County/State/Zip: Orange, CA 92668

Contact	Title	Phone
Diane Stonebrook	Office Manager	(714) 836-7224

ICF Person Making Contact: Yoon K. Toh Date: May 13, 1991

Subject: Ciba-Geigy site ownership

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The property located at 10910 Talbert Avenue in Fountain Valley, California belongs to JMB Properties. Mr. Chris Pearson of JMB is the manager in charge of the Industrial Park area where the site is located. His address is 10910 Santa Monica Blvd. #1750, Los Angeles, CA 90067. Mr. Pearson's telephone number is (213) 277-3442.

## CONTACT REPORT

Agency/Affiliation: City of Westminster

Department/Region: Water Department

Address/City: 8200 West Minister Ave., Westminster

County/State/Zip: Orange County, CA 92683

Contact	Title	Phone
Ray Alvidrez	Superintendent	(714) 895-2876

ICF Person Making Contact: Yoon K. Toh Date: May 15, 1991

Subject: Water Supply to the City of Westminster

Site Name: Ciba-Geigy EPA ID#: CAD000089722

The City of Westminster obtains drinking water from 15 active municipal groundwater wells (80 percent) blended with water from MWD (20 percent). Approximately 78,118 people are served by this system in Westminster and 6,000 people are served in Midway City. The wells are pumped at an average of 400 gpm to 2,300 gpm. However, the wells which pump at a lower rate are pumped more frequently than the higher production wells; therefore, the volume of water obtained from each well constitutes less than 40% of the entire system. Mr. Alvidrez will mail FIT the information on the water supply system.



## CONTACT REPORT

Agency/Affiliation: JMB Properties

Department/Region: Industrial Park Division

Address/City: 10100 Santa Monica Blvd., Suite 1750, Los Angeles

County/State/Zip: Los Angeles, CA 90067

Contact	Title	Phone
Chris Pearson	General Manager	(213) 277-3442

ICF Person Making Contact: Yoon K. Toh Date: May 15, 1991

Subject: Site Reconnaissance

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Currently Medchoice still occupies the site. They will be moving out of the facility by the end of May 1991. Previously Heitman Properties owned the property and sold it to JMB on November 1, 1988. JMB's fax # is (213) 277-2588.

## CONTACT REPORT

Agency/Affiliation: Ciba-Geigy Corporation

Department/Region: \_\_\_\_\_

Address/City: 5115 East La Palma Ave., Anaheim

County/State/Zip: Orange, CA 92708

Contact	Title	Phone
Oscar Zink	Health and Safety Director	(714) 779-9000

ICF Person Making Contact: Yoon K. Toh Date: May 15, 1991

Subject: Site Inspection of Former Ciba-Geigy facility at 10910 Talbert Ave., Fountain Valley, CA

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Mr. Zink returned my phone call which I made a week earlier. I told Mr. Zink that I had just faxed him a letter regarding the site inspection and would like him to send me the information as soon as possible so that I could get ready for the site inspection. Mr. Zink mentioned that the facility did not have an approved certified closure from DHS. Mr. Zink will send FIT a copy of the sample results collected from the site during closure.

## CONTACT REPORT

Agency/Affiliation: City of Fountain Valley

Department/Region: Hazardous Materials Program

Address/City: 10200 Slater Avenue, Fountain Valley

County/State/Zip: Orange County, CA92708

Contact	Title	Phone
Dave Clark	Hazardous Material Specialist	(714) 965-4400 ext 385

ICF Person Making Contact: Yoon K. Toh Date: May 22, 1991

Subject: Ciba-Geigy Operations

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Ciba-Geigy has been closed for approximately 3 years. There have been no known chemical spills at the site and Ciba-Geigy left after cleaning the facility. The City's Fax number is (714) 965-4498. Mr. Clark said that the City had been overseeing the hazardous materials activities at the site while Ciba-Geigy was in operation.

## CONTACT REPORT

Agency/Affiliation: Medchoice Incorporated

Department/Region: Fountain Valley

Address/City: 10910 Talbert Ave., Fountain Valley

County/State/Zip: Orange County, CA 92708

Contact	Title	Phone
Ed Sandoval	Assistant Distribution Manager	(714) 963-4838

ICF Person Making Contact: Yoon K. Toh Date: May 23, 1991

Subject: Medchoice's Operations at the Site

Site Name: Ciba-Geigy EPA ID#: CAD000089722

Medchoice operated a medical and dental supply warehouse and sales store at the site from 1990 to May 1991. The goods sold included syringes, needles, general chairs, examining tables, adult and baby diapers, bandaids, braces (back, knee, and neck), vitamins, shampoos, cotton, and alcohol solution for skin treatment. There were no wastes generated. There are no hazardous wastes generated at the site and no known chemical spills at the site except for soap solution which was wiped off using a cloth and disposed off as municipal waste. Medchoice filed for bankruptcy under Chapter 11 in April 1991 and Chapter 13 in May 1991. Medchoice's corporate office was located at 480 Roland Way, Oakland, CA 94621. The warehouse is now shut down. A final auction will be held on May 24, 1991. All materials will either be sold or moved off site.

**APPENDIX B**

Photographic Documentation  
by  
Yoon K. Toh  
on  
July 2, 1991



Photo 1: Former Ciba-Geigy facility (facing south)

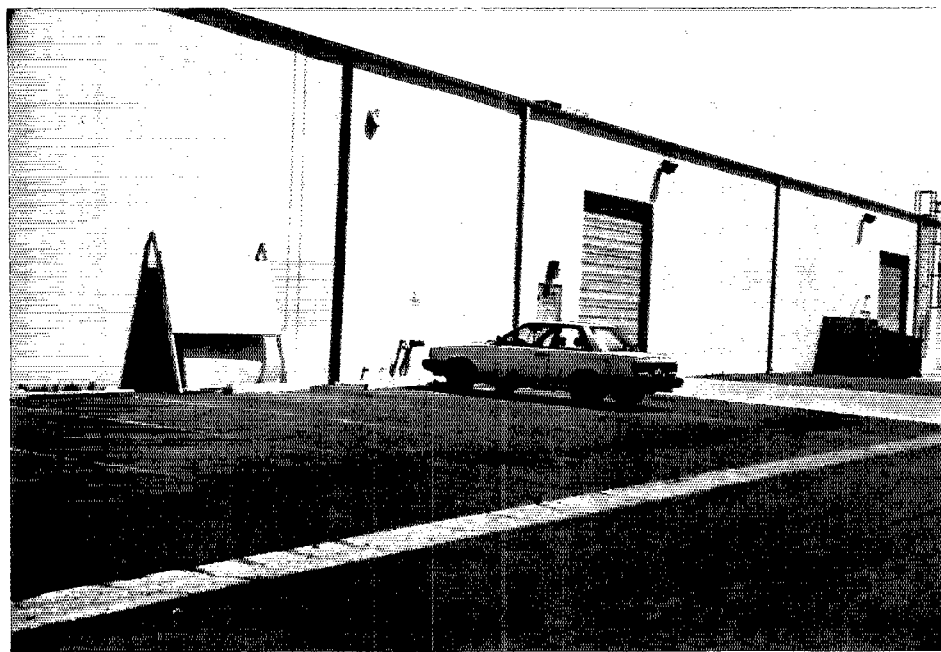


Photo 2: Parking lot at Medchoice (former Ciba-Geigy) (facing southeast).



Photo 3: Former hazardous wastes storage area (facing southwest)

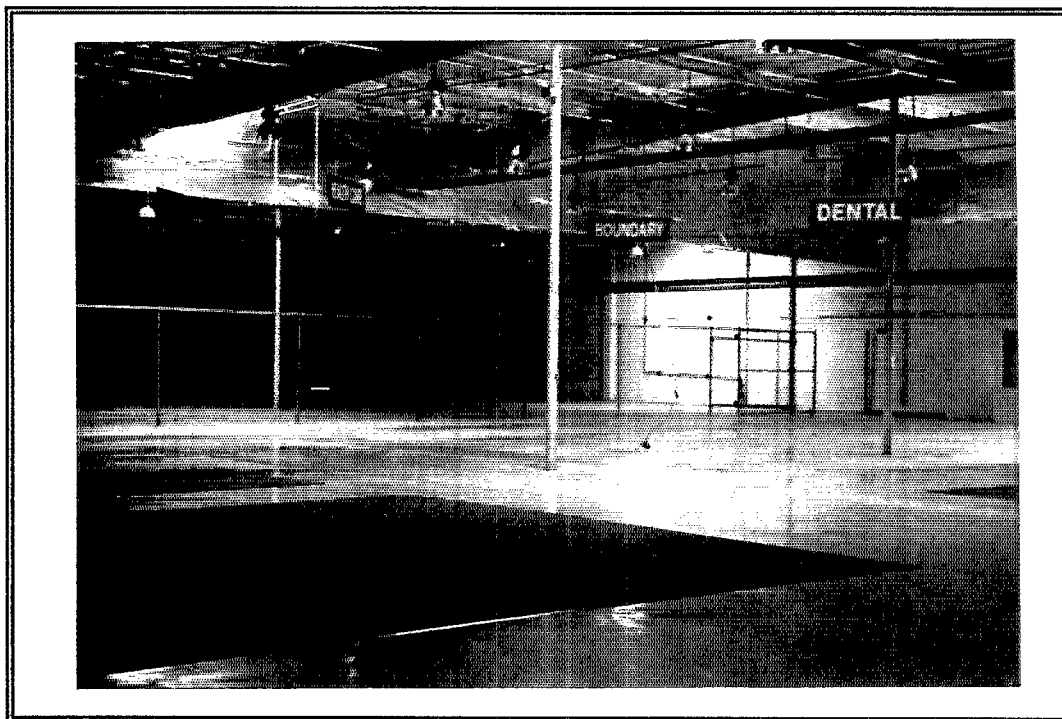


Photo 4: Former laboratory area (facing southeast).

## APPENDIX C

### Waste Generated in 1988 by Ciba-Geigy

Waste	Quantity (pounds)	Transporter
Chromic Acid	1,440	Crosby-Overton
Sulfuric Acid	7,800	Crosby-Overton
Nitric Acid	1,400	Crosby-Overton
Asbestos	528	SOS Environmental
Oil	8,940	California Waste Oil
Flammable Liquid UN1993	5,600	Ind. Waste Engineering
Resin	10,400	Ind. Waste Engineering
ORM-A	2,450	Ind. Waste Engineering
RQ (lab Pack)	10,500	Ind. Waste Engineering